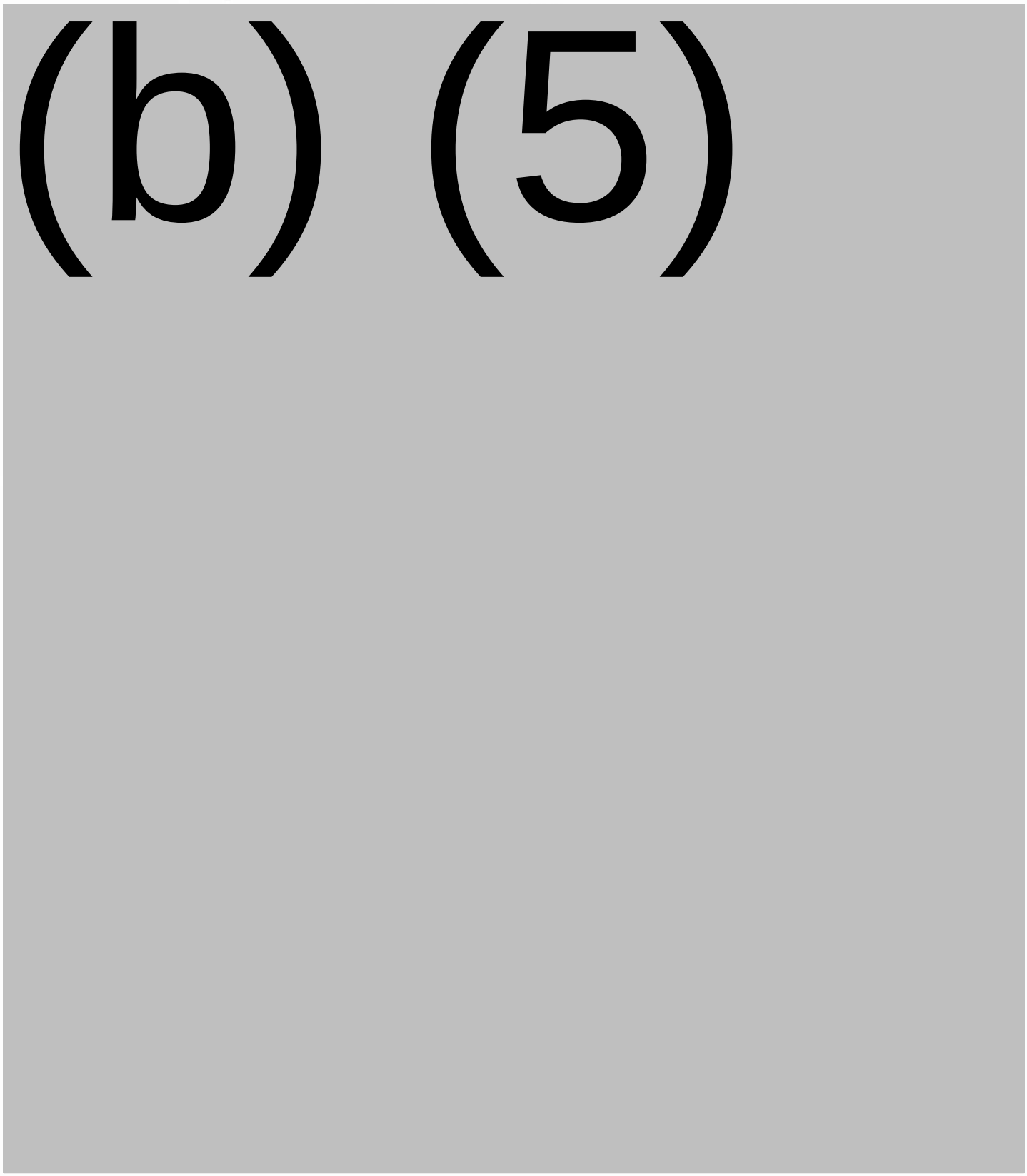
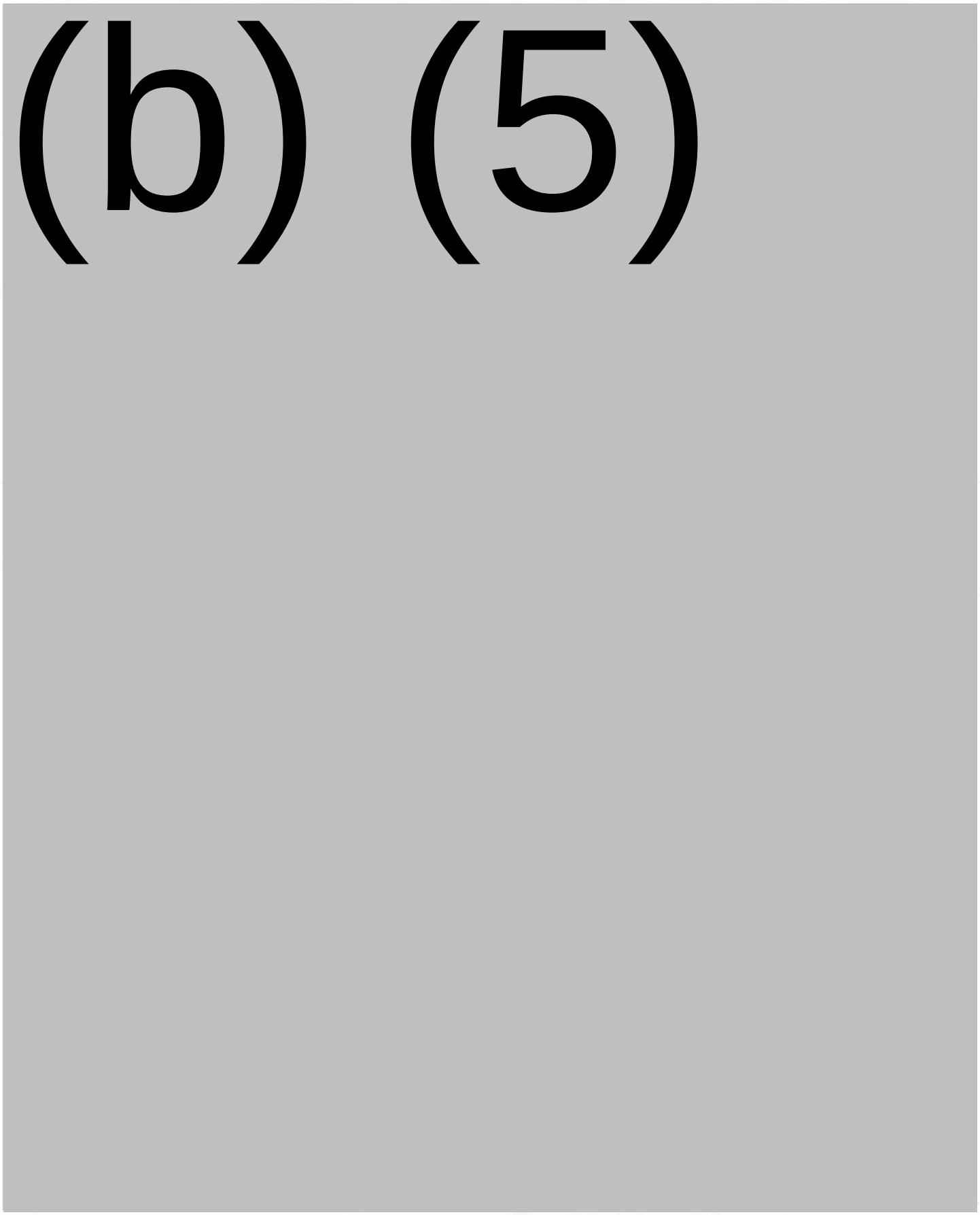
Spokane School District

Discussion: Do we issue a CAFO or Complaint?




(b) (5)

SPOKANE SCHOOL DISTRICT

Meeting of April 18, 2001, with Rick Albright, Ray Nye, Dan Duncan, Richard Mednick, Bill Dunbar, Bernie Pribish--Tom Eaton and Dan Opalski participated via conference call

Ann

In our April 10, 2001 meeting, I said that when I accompanied Eileen Hileman on the Spokane School District inspection, teachers and employees were walking up to us and telling us about incidents that occurred with their lights: strong unbearable odors, popping noises occurring in the fixtures, fluid spewing all over, etc.

Rick, your question to me was:

Did the teachers and employees tell the school officials about these incidents? I said that I did not remember but that I would ask Eileen Hileman if she remembers.

This was Eileen's response:

"I don't recall if the employees mentioned informing district officials about problems that they were bringing to our attention. They did mention their frustration that when they raised issues, nothing happened other than they were in trouble for pointing out the problem."

Maintenance men saw Eileen and me looking at potting compound on the fixtures. They said they wiped that stuff up and threw the rags that they used in the trash. They said that they didn't know what that stuff on the fixtures was.

Eileen Hileman

04/15/2001 05:54 PM

To: Bernie Pribish/R10/USEPA/US@EPA

cc: Daniel Duncan/R10/USEPA/US@EPA

Subject: Re: Spokane School District

This is in response to Bernie's message to me about the Spokane School Dist. I don't recall if the employees mentioned informing district officials about problems that they were bringing to our attention. Sorry. They did mention their frustration that when they raised issues, nothing happened orther than they were in trouble for pointing out the problem. I do understand EPA management's reluctance to proceed with a penalty action. I think given the political climate we might well win the battle but lose the war. For what its worth, a good enforcement officer can write an administrative order that is more comprehensive (thus more demanding on remediation) than what a penalty alone could accomplish. The goal is always protection of human health and the environment. Fines are a deterrent but are certainly not the only tool available to us to reach our goal. If by using a penalty action we alienate the very people whose support we need over the coming four years, we've gained nothing and lost quite a bit. Just my two cents guys. I'm in the field and I won't be back till April 30th and then will only be in a few days before going to Oregon for PCB inspections. If you need to get hold of me, call Jim (3-1640) and he'll track me down.

Eileen Hileman
Office of Environmental Assessment
Investigations and Engineering Unit
EPA Region 10
1200 Sixth Ave. (OEA-095)
Seattle, WA. 98101

Phone: (206) 553-6513
Fax: (206) 553-8210

Bernie Pribish
04/10/2001 11:22 AM

To: Eileen Hileman/R10/USEPA/US@EPA
cc: Daniel Duncan/R10/USEPA/US@EPA

Subject: Spokane School District

Eileen:

I know you are out of the office until May. I was called into a meeting re Spokane School District with Rick Albright, Montel Livingston, Richard Mednick, Tom Eaton, Ray Nye and Bill Dunbar. (b) (5) There will be another meeting. I wish you would be here to attend this meeting. I don't know when it is scheduled yet. Of course, I am already in trouble because I am opinionated, and that's fine with me.

I told the meeting participants that when we were inspecting Spokane schools, the teachers/employees were walking up to us and telling us about incidents that occurred with their lights: strong unbearable odors, popping noises occurring in the fixtures, fluid spewing all over, etc. **Do you recall if the teachers/employees said that they informed the school supervisors about these incidents?** Rick Albright asked me this question. Joe Madsen would not have done anything about it anyway.

(b) (5)

Bernie Pribish
Office of Waste and Chemicals Management
1200 Sixth Avenue, M/S WCM-128
Seattle, WA 98101-1128
Ph: 206-553-5293
Fax: 206-553-8509
pribish.bernie@epa.gov

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description: ROOM 142 S. END. ROGERS H.S.

Collected: 5/ 1/00
Matrix: Air
Sample Number: 00184150
Type: Reg sample

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes	: 12674112	PCB-1016	30	ng/m3	U
	11104282	PCB-1221	30	ng/m3	U
	11141165	PCB-1232	30	ng/m3	U
	53469219	PCB-1242	30	ng/m3	U
	12672296	PCB-1248	30	ng/m3	U
	11097691	**PCB-1254**	**11**	**ng/m3**	**J**
	11096825	**PCB-1260**	**27**	**ng/m3**	**J**
	10386842	4,4-Dibromooctafluorobiphenyl	79	%Rec	
	*2051243	Decachlorobiphenyl	96	%Rec	
	*300105	Tetrachlorometaxylene	70	%Rec	

Sent to:
Eileen Hileman,
Bruce Long
7/26/00
pc

7/26/00

Manchester Environmental Laboratory

Report by Parameter for Project ESD-047A

Project Code:	ESD-047A	**Collected:**	5/ 1/00
Project Name:	SPOKANE SCHOOL DISTRICT	**Matrix:**	Air
Project Officer:	EILEEN HILEMAN	**Sample Number:**	00184151
Account Code:	0001B10P90102E	**Type:**	Reg sample
Station Description:	ROOM 142 N. END. ROGERS H.S.		

GC

Parameter : Polychlorinated Biphenyl
Method : 8080 GC - Organochlorine Pesticides and PCB's
Prep Method: 3540B

			Result	Units	Qlfr
Analytes :	12674112	PCB-1016	30	ng/m3	U
	11104282	PCB-1221	30	ng/m3	U
	11141165	PCB-1232	30	ng/m3	U
	53469219	PCB-1242	30	ng/m3	U
	12672296	PCB-1248	30	ng/m3	U
	11097691	PCB-1254	30	ng/m3	U
	11096825	PCB-1260	30	ng/m3	U
	10386842	4,4-Dibromooctafluorobiphenyl	59	%Rec	
	*2051243	Decachlorobiphenyl	73	%Rec	
	*300105	Tetrachlorometaxylene	50	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description: ROOM 203 BROWNE ELEM.

Collected: 5/ 2/00
Matrix: Air
Sample Number: 00184192
Type: Reg sample

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes	: 12674112	PCB-1016			ND
	11104282	PCB-1221			ND
	11141165	PCB-1232			ND
	53469219	PCB-1242			ND
	12672296	PCB-1248			ND
	11097691	PCB-1254			ND
	11096825	PCB-1260			ND
	11100144	PCB-1268			ND
	10386842	4,4-Dibromooctafluorobiphenyl	90	%Rec	
	*2051243	Decachlorobiphenyl	98	%Rec	
	*300105	Tetrachlorometaxylene	88	%Rec	

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description:

Collected:
Matrix: Air
Sample Number: 00184192
Type: Duplicate

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes	: 12674112	PCB-1016			ND
	11104282	PCB-1221			ND
	11141165	PCB-1232			ND
	53469219	PCB-1242			ND
	12672296	PCB-1248			ND
	11097691	PCB-1254			ND
	11096825	PCB-1260			ND
	11100144	PCB-1268			ND
	10386842	4,4-Dibromooctafluorobiphenyl	84	%Rec	
	*2051243	Decachlorobiphenyl	94	%Rec	
	*300105	Tetrachlorometaxylene	82	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description: N. END OF ROOM 203 BROWNE ELEM.

Collected: 5/ 2/00
Matrix: Air
Sample Number: 00184193
Type: Reg sample

			Result	Units	Qlfr
GC					
Parameter :	Polychlorinated Biphenyl				
Method :	8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes :	12674112	PCB-1016	30	ng/m3	U
	11104282	**PCB-1221**	**110**	**ng/m3**	**J**
	11141165	PCB-1232	30	ng/m3	U
	53469219	**PCB-1242**	**120**	**ng/m3**	
	12672296	PCB-1248	30	ng/m3	U
	11097691	PCB-1254	30	ng/m3	U
	11096825	PCB-1260	30	ng/m3	U
	10386842	4,4-Dibromooctafluorobiphenyl	49	%Rec	
	*2051243	Decachlorobiphenyl	59	%Rec	
	*300105	Tetrachlorometaxylene	47	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description: S. END OF ROOM 203 BROWNE ELEM.

Collected: 5/ 2/00
Matrix: Air
Sample Number: 00184194
Type: Reg sample

GC

Parameter : Polychlorinated Biphenyl
Method : 8080 GC - Organochlorine Pesticides and PCB's
Prep Method: 3540B

		Result	Units	Qlfr
Analytes : 12674112	PCB-1016	30	ng/m3	U
11104282	**PCB-1221**	**320**	**ng/m3**	**J**
11141165	PCB-1232	30	ng/m3	U
53469219	**PCB-1242**	**380**	**ng/m3**	
12672296	PCB-1248	30	ng/m3	U
11097691	**PCB-1254**	**24**	**ng/m3**	**J**
11096825	PCB-1260	30	ng/m3	U
10386842	4,4-Dibromooctafluorobiphenyl	63	%Rec	
*2051243	Decachlorobiphenyl	89	%Rec	
*300105	Tetrachlorometaxylene	51	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description: ROOM 142 (EAST) FINCH ELE.

Collected: 5/ 3/00
Matrix: Air
Sample Number: 00184210
Type: Reg sample

			Result	Units	Qlfr
GC					
Parameter :	Polychlorinated Biphenyl				
Method :	8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes :	12674112	PCB-1016	30	ng/m3	UJ
	11104282	PCB-1221	30	ng/m3	UJ
	11141165	PCB-1232	30	ng/m3	UJ
	53469219	PCB-1242	30	ng/m3	UJ
	12672296	PCB-1248	30	ng/m3	UJ
	11097691	PCB-1254	30	ng/m3	UJ
	11096825	PCB-1260	30	ng/m3	UJ
	10386842	4,4-Dibromooctafluorobiphenyl	26	%Rec	
	*2051243	Decachlorobiphenyl	45	%Rec	
	*300105	Tetrachlorometaxylene	23	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description: ROOM 142 (WEST) FINCH ELEM.

Collected: 5/ 3/00
Matrix: Air
Sample Number: 00184211
Type: Reg sample

GC

Parameter : Polychlorinated Biphenyl
Method : 8080 GC - Organochlorine Pesticides and PCB's
Prep Method: 3540B

			Result	Units	Qlfr
Analytes :	12674112	PCB-1016	30	ng/m3	U
	11104282	PCB-1221	30	ng/m3	U
	11141165	PCB-1232	30	ng/m3	U
	53469219	**PCB-1242**	**21**	**ng/m3**	**J**
	12672296	PCB-1248	30	ng/m3	U
	11097691	**PCB-1254**	**13**	**ng/m3**	**J**
	11096825	PCB-1260	30	ng/m3	U
	10386842	4,4-Dibromooctafluorobiphenyl	79	%Rec	
	*2051243	Decachlorobiphenyl	96	%Rec	
	*300105	Tetrachlorometaxylene	72	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description:

Collected:
Matrix: Air
Sample Number: OBF0130B1
Type: Spike Blank

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes	: 10386842	4,4-Dibromooctafluorobiphenyl	41	%Rec	
	*2051243	Decachlorobiphenyl	42	%Rec	
	53469219	PCB-1242	24	%Rec	
	11096825	PCB-1260	28	%Rec	
	*300105	Tetrachlorometaxylene	41	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description:

Collected:
Matrix: Air
Sample Number: OBF0130B2
Type: Spike Blank

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes	: 10386842	4,4-Dibromooctafluorobiphenyl	78	%Rec	
	*2051243	Decachlorobiphenyl	83	%Rec	
	53469219	PCB-1242	78	%Rec	
	11096825	PCB-1260	81	%Rec	
	*300105	Tetrachlorometaxylene	78	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description:

Collected:
Matrix: Air
Sample Number: OBS0130A1
Type: Blank

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method:	3540B				
Analytes	: 12674112	PCB-1016			ND
	11104282	PCB-1221			ND
	11141165	PCB-1232			ND
	53469219	PCB-1242			ND
	12672296	PCB-1248			ND
	11097691	PCB-1254			ND
	11096825	PCB-1260			ND
	11100144	PCB-1268			ND
	10386842	4,4-Dibromooctafluorobiphenyl	61	%Rec	
	*2051243	Decachlorobiphenyl	88	%Rec	
	*300105	Tetrachlorometaxylene	60	%Rec	

Manchester Environmental Laboratory
Report by Parameter for Project ESD-047A

Project Code: ESD-047A
Project Name: SPOKANE SCHOOL DISTRICT
Project Officer: EILEEN HILEMAN
Account Code: 0001B10P90102E
Station Description:

Collected:
Matrix: Air
Sample Number: OBS0130A2
Type: Blank

			Result	Units	Qlfr
GC					
Parameter	: Polychlorinated Biphenyl				
Method	: 8080	GC - Organochlorine Pesticides and PCB's			
Prep Method	: 3540B				
Analytes	: 12674112	PCB-1016			ND
	11104282	PCB-1221			ND
	11141165	PCB-1232			ND
	53469219	PCB-1242			ND
	12672296	PCB-1248			ND
	11097691	PCB-1254			ND
	11096825	PCB-1260			ND
	11100144	PCB-1268			ND
	10386842	4,4-Dibromooctafluorobiphenyl	91	%Rec	
	*2051243	Decachlorobiphenyl	99	%Rec	
	*300105	Tetrachlorometaxylene	89	%Rec	

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

For further information regarding the attached data contact the appropriate person listed below or Joseph N. Blazevich Sr., supervisor of the Environmental Chemistry Section at the Region Ten Manchester Laboratory.

CONTACT	PHONE NUMBER	TYPE of ANALYSES
Gerald Dodo	(360) 871-8728	Organic Analyses - ESAT (Superfund)
Isa Chamberlain	(360) 871-8706	Metals Analyses - EPA (non-Superfund)
Katie Adams	(360) 871-8748	Metals Analyses - ESAT (Suuperfund)
Kathy Parker	(360) 871-8716	Conventional & Hg Analyses - EPA & ESAT
Robert Rieck	(360) 871-8719	Pesticide/PCB - EPA
Steve Pope	(360) 871-8717	VOC & VOA Analyses - EPA
Peggy Knight	(360) 871-8713	Organic Analyses, BNA & PAH - EPA
Susan Davis	(360) 871-8806	Asbestos
Joseph N. Blazevich	(360) 871-8705	All Analyses - EPA & ESAT

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10 LABORATORY
7411 Beach Dr. East
Port Orchard, Washington 98366

July 25, 2000

MEMORANDUM

SUBJECT: QA Narrative for Spokane School District Project for PCB Analysis of Wipe Samples and PUF Samples

FROM: R. H. Rieck
Chemist

TO: Dan Duncan
Project Officer

The Quality Assurance narative for 56 wipe samples and eight PUF (Polyurethane foam) samples from Spokane School District Project located at Spokane, Washington for PCBs has been completed. Extraction and analysis of the samples were performed by EPA Methods 3540B Modified and 8082 respectively. The samples included in this memo are #'s 00184150-00184212. Note that sample # 00184113 was a light ballast, and analysis was not requested for it.

I. Holding Times:

Acceptable. The samples for the sample set, including PUFs, were collected May 1-4, 2000. All samples were extracted May 9, 2000. The sample extracts were analyzed May 10-11, 2000; the dilutions were analyzed May 17-18, 2000. Note there is no recommended holding time for PCBs on wipes until extraction. All holding times until analysis were within the allowable 40 days. With all holding times being acceptable no qualifiers were assigned on this basis.

II. Instrument Performance:

A Hewlett-Packard gas chromatograph (GC) using dual micro electron capture (EC) detectors with Restek Rtx-CLPEST and Rtx-CLPEST2 narrow-bore capillary columns (0.25mm ID x 30m) was used for this analysis.

A. DDT Retention Time: Not required for this analysis.

B. Retention Time Windows: Acceptable. Retention times

for the standards were within the windows set by the initial calibration. The retention time windows used were 1.0% of the initial retention time.

C. DDT/Endrin Degradation: Not required for this analysis.

D. Surrogate Retention Times: Acceptable. All samples had retention time percent differences less than 1.5% for the surrogates Tetra-m-xylene (TMX), 4,4'-Dibromooctafluorobiphenyl (DBOB), and Decachlorobiphenyl (DCB).

III. Calibration:

A. Initial Calibration: Acceptable. For all samples covered by this memo, a seven-point calibration was used for Aroclors 1221, 1242, 1254 and 1260. Calibration curves were generated using either a quadratic or a power-fit equation and had correlation coefficients of 0.999 or better. Furthermore, a single point was injected for Aroclors 1016, 1232, and 1248 which was used for the determination of Practical Quantitation Limit (PQL) and pattern recognition.

B. Analytical Sequence: Acceptable.

C. Continuing Calibration: Acceptable. The continuing calibration standards were within the 20 percent difference criteria for both columns. Therefore, no qualifiers were assigned on this basis.

IV. Method Blank Analysis:

Acceptable: Five method blanks, OBO0130A1, OBO0130A2, OBO0130A3, OBO0130A4, and OBO0130A5, were analyzed with the wipe samples. Two blanks, OBS0130A1 and OBS0130A2, were extracted and analyzed with the PUF samples. No peaks occurred at or above the quantitation limit in any blank. Therefore, no qualifiers were assigned on this basis.

V. Surrogate Recoveries:

Generally Acceptable.

Wipe Samples:

The TMX recoveries ranged from 71% to 106% with an average

of 86.7% and a standard deviation of ± 8.4%. The DBOB recoveries ranged from 68% to 107% with an average of 89.3% and a standard deviation of ± 7.7%. The DCB recoveries ranged from 40% to 131% with an average of 88.0% and a standard deviation of ± 21.1%.

The DCB recoveries for sample #'s 00184162, 00184167, and 00184188, although less than 50%, were included for statistics calculations even there appears to be a substantial suppression effect caused by the extracted matrix. There were several other samples where the DCB seemed to be suppressed and since the other two surrogates had recoveries over 70%. This effect is usually caused by late-eluting oil fraction suppressing ECD response. Note there were several samples with elevated positive interference. These results were flagged "INT" signifying interference.

Recoveries for sample #00184203 could not be determined because of matrix problems. The results for this sample were flagged "J" as estimated.

PUF Samples:

The surrogate recoveries for sample #00184210 and the fortified blank, OBF0130B1, are not included in the statistical calculations since all three are well below those obtained for the rest of the samples in the sets. The results for this sample are, therefore, flagged "J" as estimated.

The TMX recoveries ranged from 49% to 91% with an average of 68.7% and a standard deviation of ± 15.9%. The DBOB recoveries ranged from 49% to 91% with an average of 73.3% and a standard deviation of ± 14.3%. The DCB recoveries ranged from 59% to 99% with an average of 87.5% and a standard deviation of ± 12.8%.

No qualifiers were assigned on this basis for any of the samples in this set except as noted above for sample #00184203.

VI. Matrix Spike/Matrix Spike Duplicate:

Acceptable. Since it was considered inappropriate to attempt to spike one of the wipe samples, six clean gauzes, like those used for wipe sample collection, were spiked in duplicate with both Aroclors 1242 and 1260 at the four microgram/swab level. The recoveries for Aroclor 1242 ranged from 79%-87% with an average of 79.3% and a standard deviation of ± 5.3%. The recoveries for Aroclor 1260 ranged from 86%-93% with an average of 88.8% and a standard deviation of ± 3.4%. The recoveries and precision were within the expected range and considered acceptable.

Two PUFs were spiked with Aroclors 1242 and 1260. The Aroclor 1242 recoveries were 24% and 78%; the Aroclor 1260

recoveries were 28% and 81%. Apparently there was an unexplained loss for the one fortified blank since the surrogates were also equally lost.

No qualifiers were assigned on this basis for any of the samples in this set.

VII. Compound Identification/Quantitation:

The following are the concentrations as micrograms per gram of Aroclors (extracted weight basis) found in the wipe samples:

Station Description	Lab #	1221	1242	1254	1260
Room 142, Rogers H.S.	00184152	490J	2400	2400	230
Room 142, Rogers H.S.	00184153	93U	440	2800	350
Room 142, Rogers H.S.	00184154	470J	2100	1600	290
Field Blank	00184155	ND	ND	ND	ND
Room 157, Rogers H.S.	00184156	1.7U	2.8	4.9	1.7U
Room 157, Rogers H.S.	00184157	1.3J	2.2	5.2	0.29J
Room 157, Rogers H.S.	00184158	1.5J	1.2	3.2	0.68U
Room 149, Glover M.S.	00184159	8.0U	30	1500	8.0U
Room 149, Glover M.S.	00184160	69U	69U	260	65J
Room 149, Glover M.S.	00184161	8.4U	40	29	8.4U
Main Entrance,Glover M.S.	00184162	3.9J	13	60	120
Room 114, Glover M.S.	00184163	10J	110	180	58
Ladder, Glover M.S.	00184164	21U	21U	87	79
Field Blank	00184165	ND	ND	ND	ND
Room 151, Shaw M.S.	00184166	2000J	6300	770	110
Room 152, Shaw M.S.	00184167	1.5J	19	150	84
Room 118, Browne Elem.	00184168	7.4J	73	36	2.3
Room 118, Browne Elem.	00184169	12J	160	92	2.4
Room 118, Browne Elem.	00184170	110J	420	340	51
Field Blank	00184171	ND	ND	ND	ND
Room 203, Browne Elem.	00184172	2400J	8600	4900	2800
Room 203, Browne Elem.	00184173	3400J	16000	10000	2100
Room 203, Browne Elem.	00184174	3600J	34000	37000	9000
Storeroom, Browne Elem.	00184175	0.39U	5.2	100	110
Storeroom, Browne Elem.	00184176	0.28U	2.0	89	170

Storeroom, Browne Elem.	00184177	96U	96U	200	110
Room 142, Finch Elem.	00184178	960J	7500	330	82
Room 142, Finch Elem.	00184179	110J	580	64	1100
Field Blank	00184180	ND	ND	ND	ND
Room 107, Finch Elem.	00184181	81U	81U	81U	81U
Room 203, Havermale	00184182	12J	91	3300	2.1U
Room 223, Havermale	00184183	56U	56U	170	56U
Room 223, Havermale	00184184	10J	120	7500	410
Room 223, Havermale	00184185	56J	120	680	3200
Kitchen, Libby Center	00184186	630J	1800	510	730
Kitchen, Libby Center	00184187	850J	2300	220	480
Room 132, Libby Center	00184188	86U	200	390	220
Room 132, Libby Center	00184189	78U	95	300	INT
Room 148, Libby Center	00184190	10U	13	130	150
Field Blank	00184191	ND	ND	ND	ND
Room 143, Ridgeview	00184195	36J	230	240J	2800J
Room 124, Lidgerwood	00184196	1.2U	25	920J	5700J
Room 116, Pratt Elem.	00184197	71U	71U	71U	71
Kitchen, Pratt Elem.	00184198	130U	130U	130U	130U
Kitchen, Pratt Elem.	00184199	280J	500	540	6100
Room 103, Pratt Elem.	00184200	1300J	220000	10000	19000
Room 117, Lincoln Heights	00184201	29U	55	320	40
Room 117, Lincoln Heights	00184202	11J	830	540	32
Room 117, Lincoln Heights	00184203	71J	1100J	4700J	440J
Room 108, Lincoln Heights	00184204	530U	530U	5100	530U
Room 103, Lincoln Heights	00184205	110J	230	930	450
Room 103, Lincoln Heights	00184206	71J	230	780	400
Field Blank	00184207	ND	ND	ND	ND
Room 108, Franklin Elem.	00184208	63U	63U	32000	4000
Room 105, Franklin Elem.	00184209	5.0U	76	1800	1500

Spokane Maintenance Fac.	00184212	14U	14U	28	14U
Ballast, Plant Maint.	00184213	Analysis Not Requested			

"U" = undetected.
"J" = estimated.
"INT"= interference.

Sample #00184189, #00184195, #00184196, and #00184199, contained about 2,000 ppm, 13,000 ppm, 28,000 ppm, and 93,000 ppm Polychlorinated Terphenyls (PCTs) respectively calculated as Aroclor 5460. That does not necessarily mean the PCTs were from this particular Aroclor. Note that other Aroclor mixtures also contain PCTs. PCTs in these samples possibly came from another Aroclor mixture. The PCTs were quantitated by the Atomic Emission Detector (AED) using the CIC technique and confirmed by GC/MS. The Aroclor 1254 and 1260 values were flagged "J" as estimated ecause other Aroclors such as Aroclor 4465 were observed by AED and GC/MS.

The following are the concentrations of Aroclors as nanograms per cubic meter found in the PUF samples and reflects the corrected pump flow rate units per Bruce Long's E-Mail dated July 24, 2000:

Station Description	**Lab #**	**1221**	**1242**	**1254**	**1260**
Room 142, Rogers H.S.	00184150	30U	30U	11J	27J
Room 142, Rogers H.S.	00184151	30U	30U	30U	30U
Room 203, Browne Elem.	00184192A	ND	ND	ND	ND
Room 203, Browne Elem.	00184192B	ND	ND	ND	ND
Room 203, Browne Elem.	00184193	110J	120	30U	30U
Room 203, Browne Elem.	00184194	320J	380	24J	30U
Room 142, Finch Elem.	00184210	30UJ	30UJ	30UJ	30UJ
Room 142, Finch Elem.	00184211	30U	21J	13J	30U

VIII. Overall Assessment/Data Use:

Acceptable for use with the qualifiers as assigned in the sections above. The data was evaluated using the guidelines set out in the "Laboratory Data Validation Functional Guidelines for Evaluating Organic Analyses" (Dec. '94).